

MODULE II

GENERAL FACILITY CONDITIONS

II.A. DESIGN AND OPERATION OF FACILITY

- II.A.1. The Permittee shall design, construct, maintain, and operate the CAMDS to minimize the possibility of a fire, explosion, or any unplanned sudden or nonsudden release of hazardous waste or hazardous waste constituents to air, soil, groundwater, or surface water which could threaten human health or the environment.
- II.A.2. The Permittee shall construct all new hazardous waste management units in accordance with the approved designs and specifications, except for minor changes deemed necessary by the Permittee to facilitate proper construction of the hazardous waste management units. Minor deviations from the approved designs or specifications necessary to accommodate proper construction and the substitution or the use of equivalent or superior materials or equipment shall be noted on the as-built drawings and the rationale for those deviations shall be provided in narrative form. After completion of construction of each hazardous waste management unit, the Permittee shall submit final as-built drawings and the narrative report to the Executive Secretary as part of the construction certification document specified in Condition I.R.

II.B. RECEIPT OF OFFSITE WASTE NOT AUTHORIZED

The Permittee is not authorized and therefore shall not receive hazardous waste generated off the Facility site unless prior approval has been granted from the Executive Secretary on a case-by-case basis.

II.C. WASTE ANALYSIS PLAN

- II.C.1 The Permittee shall follow the procedures of the Waste Analysis Plan, included as Attachment 2 and Attachment 3.
- II.C.2 All analysis, with the exception of analysis for the parameters that the EPA has not promulgated (methods such as GB, VX, Mustard, GA, Tetryl, RDX, TNT, Nitroglycerine, and Nitrocellulose), conducted pursuant to this permit, shall be performed by a laboratory with a current Utah Department of Health, State Health Laboratory certification.

II.C. SECURITY PROCEDURES

The Permittee shall comply with the Security Procedures as contained in Attachment 4.

II.D. INSPECTION PLAN

- II.D.1. The Permittee shall follow the Inspection Procedures, included as Attachments 5.
- II.D.2. The Permittee shall remedy any deterioration or malfunction discovered by an inspection as required by R315-8-2.6(c). Inspection reports shall be recorded as required by R315-8-2.6(d).

II.E. **TRAINING PLAN**

- II.E.1. The Permittee shall ensure that all personnel who handle hazardous waste are trained in hazardous waste management, safety procedures and emergency procedures, as applicable to their job description in accordance with the Training Plan, Attachment 7, and documentation of training shall be maintained as specified in Attachment 7.
- II.E.2. The Permittee shall maintain a copy of the Training Plan, included as Attachment 7, at the Facility until the CAMDS is fully closed and certified.

II.F. **PREPAREDNESS AND PREVENTION**

- II.F.1. The Permittee shall follow the preparedness and prevention procedures included as Attachment 8.
- II.F.2. The Permittee shall maintain records of preventative maintenance and repair activities on equipment in the operating record at the CAMDS in accordance with Condition I.O.
- II.F.3. The Permittee shall maintain a schedule of minimum and planned frequency for the performance of these preventative maintenance activities at CAMDS.

II.G. **CONTINGENCY PLAN**

- II.G.1. The Permittee shall follow the procedures outlined in the Contingency Plan, included as Attachment 9.
- II.G.2. If agent is detected and confirmed at the Facility perimeter monitors above the General Population Exposure limits in Table 8-3, of Attachment 8, the Permittee shall respond as required by the depot. If sufficient personnel or equipment leave the site to respond to the emergency, if the immediate source of agent is unknown, if the DCD facility is secured so that DSHW inspectors cannot enter the facility, or if site operations cannot be continued as required by operating procedures, CAMDS will perform a staged shutdown of all process operations, with the exception of container storage operations and storage and treatment operations in tanks. CAMDS will also shutdown all processes, with the exceptions noted above, if there are not sufficient emergency equipment and personnel to respond to emergencies at the CAMDS site.
- II.G.3. The Permittee shall not reinstate process operations after shutdown under either Condition II.G.2. or shutdown as a result of a major explosion, as designated in Attachment 9, unless the following has occurred:
- II.G.3.a. The Permittee has submitted a request to resume operations to the Executive Secretary accompanied by the following information:
- II.G.3.a.i. Detailed description of the accident/incident;
- II.G.3.a.ii. The cause of the accident as determined by the results of investigation of the accident;
- II.G.3.a.iii. The corrective action(s) taken; and

II.G.3.a.iv. A copy of the notification received by the Permittee from the Army's Higher Headquarters that operations are authorized to resume.

II.G.3.b. The Executive Secretary has provided the Permittee a written approval to resume operations.

II.H. **RECORD KEEPING AND REPORTING**

II.H.1. In addition to the record keeping and reporting requirements specified elsewhere in this permit the Permittee shall comply with the following:

II.H.1.i. The Permittee shall maintain a written operating record at the Facility, in accordance with R315-8-5.3 [40 CFR Section 264.73(a) incorporated by reference] for all records identified in R315-8-5.3. [40 CFR Section 264.73(b)(1) through (b)(14) incorporated by reference].

II.H.1.ii. The Permittee shall, by March 31 of each year, submit to the Executive Secretary a certification pursuant to R315-8-5.3 [40 CFR Section 264.73(b)(9) incorporated by reference], signed in accordance with R315-3-8, that the Permittee has a program in place to reduce the volume and toxicity of hazardous waste that he generates to the degree determined by the Permittee to be economically practicable; and the proposed method of treatment, storage, or disposal is that most practicable method currently available to the Permittee which minimizes the present and future threat to human health and the environment.

II.H.1.iii. The Permittee shall submit a biennial report covering the CAMDS activities to the Executive Secretary in accordance with R315-8-5.6 and R315-3-10(l)(9).

II.H.1.iv. The Permittee shall submit additional reports to the Executive Secretary in accordance with R315-8-5.8.

II.H.1.v. All reports, notifications, applications, or other materials required to be submitted to the Administrator shall be submitted to EPA Region VIII.

II.H.1.vi. All reports, notifications, applications, or other materials required to be submitted to the Executive Secretary shall be submitted at the address shown in Condition I.Y.1.

II.I. **CLOSURE**

II.I.1. The Permittee shall meet the general closure performance standard as specified in R315-8-7 (40 CFR 264.111 incorporated by reference) during closure of all hazardous waste management units at the CAMDS. Compliance with R315-8-7 (40 CFR Section 264.111 incorporated by reference) shall require closure of each hazardous waste management unit in accordance with Condition II.I. and the Closure Plan, included as Attachment 10.

- II.I.2. For all hazardous waste management units, minor deviations from the permitted closure procedures necessary to accommodate proper closure shall be described in a narrative form with the closure certification statements. The Permittee shall describe the rationale for implementing minor changes as part of this narrative report. Within sixty (60) calendar days after completion of closure of each hazardous waste management unit the Permittee shall submit the certification statements and narrative report to the Executive Secretary.
- II.I.3. The Permittee shall manage all metal scrap generated from closure activities as per Attachment 2.
- II.I.4. The Permittee shall amend the Closure Plan in accordance with R315-8-7 (40 CFR Section 264.112(c) incorporated by reference) whenever necessary.
- II.I.5. The Permittee shall decontaminate or dispose of all CAMDS equipment as specified in the Closure Plan included as Attachment 10.
- II.I.6. The Permittee shall provide certification statements that each hazardous waste management unit at the CAMDS has been closed in accordance with the applicable specifications in the Closure Plan, included as Attachment 10, as required by R315-8-7 (40 CFR Section 264.115 incorporated by reference).
- II.I.7. The Permittee shall notify the Executive Secretary at least forty-five (45) calendar days prior to the date it expects to begin closure of any hazardous waste management units.
- II.I.8. In the event that any hazardous waste management unit, cannot be clean closed by removing hazardous waste, hazardous waste constituents, contaminated subsoil, and any contaminated groundwater as specified in the Closure Plan, included as Attachment 10, the Permittee shall submit the modified closure and post-closure plan for that hazardous waste management unit to the Executive Secretary, as a permit modification request, in accordance with R315-3-15, within thirty (30) calendar days of the date that the Executive Secretary notifies the Permittee in writing that the unit shall be closed as a landfill, in accordance with R315-8-7 (40 CFR Section 264.118(a) incorporated by reference).
- II.I.9. Within ninety (90) calendar days of the Permittee's receipt of the written approval from the Executive Secretary, in accordance with R315-3-15, of the modified closure plan and the post-closure plan, the Permittee shall close the hazardous waste management unit in accordance with the approved plans.
- II.J. **PARTIAL CLOSURE**
- II.J.1 The Permittee shall complete closure of all partially closed units at CAMDS during closure of the Facility.

II.K. **EQUIVALENT MATERIALS/INFORMATION**

If certain equipment and materials are specified in this permit, the Permittee is allowed to use an equivalent or superior. The Permittee shall place in the operating record (prior to the institution of such revision) the revision, accompanied by a narrative explanation, and the date the revision became effective. The Executive Secretary may judge the soundness of the revision during inspections of the CAMDS and take appropriate action.

II.L. **FINANCIAL ASSURANCE FOR FACILITY CLOSURE**

The Permittee is exempt from the closure financial assurance requirements, in accordance with R315-8-8 [40 CFR Section 264.140(c) incorporated by reference].

II.M. **LIABILITY REQUIREMENTS**

The Permittee is exempt from the liability coverage for sudden and accidental occurrence requirements, in accordance with R315-8-8 [40 CFR Section 264.140(c) incorporated by reference].

II.N. **SITE VENTILATION FILTER SYSTEM**

II.N.1 HVAC Filter Monitoring Requirements:

II.N.1.a For Six-Bank HVAC filter units connected to the CAMDS site main manifold (Filter No. 9, 10, 19, 20, 21, 22):

The Permittee shall continuously monitor the carbon Six-Bank HVAC Filters mid-bed locations (after banks one, two, and four) continuously with DAAMS for Mustard, GB, and VX at the WPL (12 hour) and for any other agents with which the carbon has been potentially contaminated. The Six-Bank Filter Stack shall have NRT monitors for each agent being processed in the plant at the STEL (0.5 action level). The Filter Stack shall also have DAAMS stations continuously monitoring/sampling the HVAC Filter Stack for GB, VX, and Mustard at the WPL (12 Hour).

II.N.1.b For the CAMDS Laboratory HVAC filter units, dedicated for the ventilation of the CAMDS laboratory and agent room only (Filter No. 5, 6, 7, 12):

The Permittee shall continuously monitor the carbon filter bank mid-bed location (between 1 and 2) and this HVAC Stack with DAAMS for agents GB, GA, VX, Lewisite, and Mustard at the WPL (12 Hour). The Laboratory HVAC Stack shall also be monitored with NRTs for GB and VX at the STEL (0.5 action level).

II.N.2. HVAC Filter Carbon Change-out Requirements:

II.N.2.a For HVAC filter units connected to the CAMDS site main manifold (Filter No. 9, 10, 19, 20, 21, 22):

The Permittee must notify the Executive Secretary within seven (7) days after a confirmed breakthrough of chemical warfare agent at or above the STEL, after carbon bank number two of any of the site HVAC filter units. Within thirty (30) days from the time of the confirmed breakthrough, the Permittee must begin operations to replace carbon banks one and two in that unit; and either replace carbon bank number three or move carbon from bank number three up to the number one position.

- II.N.2.b For HVAC filter units dedicated for the ventilation of the CAMDS laboratory and agent room only (Filter No. 5, 6, 7, 12):

The Permittee must notify the Executive Secretary within seven (7) days after a confirmed breakthrough of chemical warfare agent at or above the STEL, after the first carbon bank of any of the lab HVAC filter units. Within thirty (30) days from the time of the confirmed breakthrough, the Permittee must begin operations to replace both carbon banks in that unit.

- II.N.3. If a confirmed detection of agent above the STEL occurs in the exhaust stack of a filter unit, airflow will be immediately redirected to a backup filter unit and the original filter unit shut down. If a backup filter is not available, the Permittee will stop operations until both a primary and backup filter system are available. The Permittee shall report confirmed agent concentrations above the STEL in accordance with the requirements of condition I.T.

- II.N.4. CAMDS will run an initial monitoring baseline test for the primary agent on all filter stacks for 20 out of 30 calendar days. Upon successful completion of the initial baseline all filter stacks will be considered as one group. QP tubes will be placed on one stack daily. The QP station will be assigned to a different stack each week.

- II.N.5. When the HVAC stack NRT Monitor is offline for more than ten instrument cycles the DAAMS tubes monitoring the HVAC stack will be pulled and analyzed as soon as the NRT Monitor is back online.

II.O. YEAR 2000 COMPUTER UPGRADE SCHEDULE

- II.O.1 The Permittee shall, within 90 days of the effective date of this permit, submit to the Executive Secretary a schedule and plan detailing CAMDS's efforts to upgrade computer software and hardware to comply with year 2000 standards.